

Estimated burden per response to comply with this mandatory collection request: 4.4 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
 OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
 U.S. NUCLEAR REGULATORY COMMISSION
 WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM
 DIVISION OF NUCLEAR MATERIALS SAFETY
 U.S. NUCLEAR REGULATORY COMMISSION, REGION I
 475 ALLENDALE ROAD
 KING OF PRUSSIA, PA 19406-1415

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH
 U.S. NUCLEAR REGULATORY COMMISSION, REGION III
 2443 WARRENVILLE ROAD, SUITE 210
 LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH
 U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
 611 RYAN PLAZA DRIVE, SUITE 400
 ARLINGTON, TX 76011-4005

03037437

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

<p>1. THIS IS AN APPLICATION FOR (Check appropriate item)</p> <p><input checked="" type="checkbox"/> A. NEW LICENSE DRL</p> <p><input checked="" type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER 29-31231-01</p> <p><input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER</p>	<p>2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)</p> <p>Advanced Heart, Lung & Vascular Care 200 Trenton Road Browns Mills, New Jersey 08015</p>						
<p>3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED</p> <p>Advanced Heart, Lung & Vascular Care Creek Crossing Executive Campus 404 Creek Crossing Blvd. Suite 404 Hainesport, New Jersey 08036</p>	<p>4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION</p> <p>Joseph Manni</p> <p>TELEPHONE NUMBER</p> <p>(609) 893-6611</p>						
<p>SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.</p>							
<p>5. RADIOACTIVE MATERIAL</p> <p>a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.</p>	<p>6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.</p>						
<p>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.</p>	<p>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.</p>						
<p>9. FACILITIES AND EQUIPMENT.</p>	<p>10. RADIATION SAFETY PROGRAM.</p>						
<p>11. WASTE MANAGEMENT.</p>	<p>12. LICENSE FEES (See 10 CFR 170 and Section 170.31)</p> <table border="0"> <tr> <td>FEE CATEGORY</td> <td>AMOUNT ENCLOSED</td> <td>\$ 2,300.00</td> </tr> </table>	FEE CATEGORY	AMOUNT ENCLOSED	\$ 2,300.00			
FEE CATEGORY	AMOUNT ENCLOSED	\$ 2,300.00					
<p>13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.</p> <p>THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.</p> <p>WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.</p> <table border="0"> <tr> <td>CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE</td> <td>SIGNATURE</td> <td>DATE</td> </tr> <tr> <td>Joseph R. Manni</td> <td><i>J.R. Manni</i></td> <td>11-1-07</td> </tr> </table>		CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE	SIGNATURE	DATE	Joseph R. Manni	<i>J.R. Manni</i>	11-1-07
CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE	SIGNATURE	DATE					
Joseph R. Manni	<i>J.R. Manni</i>	11-1-07					

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

REC'D IN LAT NOV - 2 2007

141291 NMSS/RGN1 MATERIALS-002

ITEM 3 - LOCATION OF USE

**Advanced Heart, Lung & Vascular Care
Creek Crossing Executive Campus
404 Creek Crossing Blvd
Suite 404
Hainesport, New Jersey, 08036.**

ITEMS 5&6 - RADIOACTIVE MATERIAL and PURPOSE

<u>Byproduct Material</u>	<u>Form</u>	<u>Maximum Quantity</u>	<u>Purpose</u>
Any byproduct permitted in 10 CFR 35.200	Any	As Needed	Medical Use of Unsealed Byproduct Material for Localization & Imaging Studies Permitted by 10 CFR 35.200
Any byproduct permitted in 10 CFR 35.300	Any	300 mCi	Medical Use of Unsealed Byproduct Material for diagnostic study or therapy procedure Permitted by 10 CFR 35.300, for which the patient can be released under 10 CFR 35.75.

**Any byproduct permitted
in 10 CFR 35.500 Sealed 600 mCi**

**Isotope Products Labs Model NES-8426 or
Equivalent Sealed Source**

**Diagnostic Medical
use of sealed source
Permitted by 10 CFR
35.500, in compatible
devices registered
Pursuant to 10 CFR
30.32(g).**

**Cs-137 Sealed <300 uCi
(should be covered under 10 CFR 35.65)**

**Reference Standard
and/or Calibration**

**ITEM 7 – INDIVIDUALS RESPONSIBLE FOR RADIATION SAFETY
PROGRAM AND TRAINING AND EXPERIENCE**

7.1 AUTHORIZES USERS

**The following individuals would like to be listed at Authorized
Users on this license:**

Physicians Name	Material and Use
Harry J. Lessig, MD	35.200, 35.300, 35.500
David Altimore, DO	35.200
Augustine Agocha, MD	35.200
Jennifer Mazzoni, DO	35.200
Maha Makhail, MD	35.200
Katherine Chiu, MD	35.200
John McNamara, DO	35.200
Saugato Sanyal, MD	35.200
Sarkis Baghdasarian, MD	35.200
Pirouz Parang, MD	35.200
Fatima Hakkak, DO	35.200
Aliya Browne, MD	35.200

**A copy of NRC license 29-18190-01 and NJ State License NJSL-
70152/01/034 have been included for your review.**

7.2 RADIATION SAFETY OFFICER

**Harry Lessig, MD would also like to be listed as the radiation
safety officer for this license.**

NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

PAGE 1 OF 3 PAGES
Amendment No. 35

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee	In accordance with the letter dated July 16, 2007,
1. Deborah Heart and Lung Center	3. License number 29-18190-01 is amended in its entirety to read as follows:
2. 200 Trenton Road Browns Mills, New Jersey 08015-0792	4. Expiration date December 31, 2015
	5. Docket No. 030-14634 Reference No.

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Any byproduct material permitted by 10 CFR 35.100	A. Any	A. As needed
B. Any byproduct material permitted by 10 CFR 35.200	B. Any	B. As needed
C. Any byproduct material permitted by 10 CFR 35.300	C. Any	C. 300 millicuries
D. Any byproduct material permitted by 10 CFR 35.500	D. Sealed Sources (Isotope Products Laboratories Model NES-8426)	D. 600 millicuries
<input checked="" type="radio"/> E. Any byproduct material permitted by 10 CFR 31.11	E. Prepackaged Kits	E. 3 millicuries

9. Authorized use:
- A. Any uptake, dilution and excretion procedure permitted by 10 CFR 35.100.
 - B. Any imaging and localization procedure permitted by 10 CFR 35.200.
 - C. Any diagnostic study or therapy procedure permitted by 10 CFR 35.300, for which the patient can be released under the provisions of 10 CFR 35.75.
 - D. Diagnostic medical use of sealed sources permitted by 10 CFR 35.500 in compatible devices registered pursuant to 10 CFR 30.32(g).
 - E. In vitro studies.

Duplicate

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U.S. NUCLEAR REGULATORY COMMISSION

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

29-18190-01

Docket or Reference Number

030-14634

Amendment No. 35

CONDITIONS

- 10. Licensed material may be used only at the licensee's facilities located at 200 Trenton Road, Browns Mills, New Jersey.
- 11. The Radiation Safety Officer for this license is Rita Lauderman.
- 12. Licensed material is only authorized for use by, or under the supervision of:
 - A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.
 - B. The following individuals are authorized users for medical use as indicated:

<u>Authorized Users</u>	<u>Material and Use</u>
Harry J. Lessig, M.D.	35.100; 35.200; 35.300; 35.500 <u>In vitro studies</u>
David Altimore, D.O.	35.200
Augustine Agocha, M.D.	35.200
Jennifer Mazzoni, D.O.	35.200
Maha B. Makhail, M.D.	35.200
Katherine Chiu, M.D.	35.200
John P. McNamara, D.O.	35.200
Saugato Sanyal, M.D.	35.200
Sarkis Baghdasarian, M.D.	35.200
Pirouz Parang, M.D.	35.200
Fatima Hakkak, D.O.	35.200

- 13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
- 14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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NRC FORM 374A

U.S. NUCLEAR REGULATORY COMMISSION

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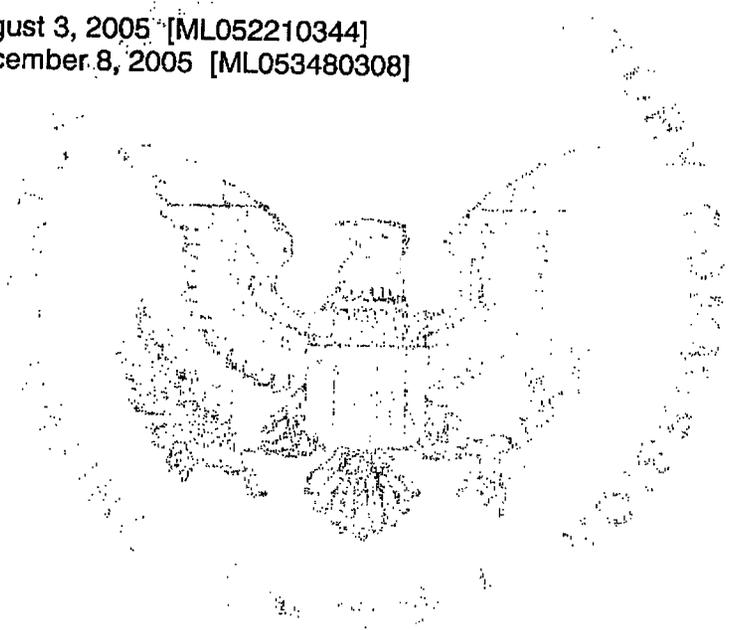
**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

Duplicate

License Number	29-18190-01
Docket or Reference Number	030-14634
Amendment No.	35

15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Letter dated August 3, 2005 [ML052210344]
- B. Letter dated December 8, 2005 [ML053480308]



For the U.S. Nuclear Regulatory Commission

Date August 28, 2007

By Original signed by Richard McKinley

Richard McKinley
 Medical Branch
 Division of Nuclear Materials Safety
 Region I
 King of Prussia, Pennsylvania 19406

Duplicate

Duplicate

NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

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Amendment No. 5

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p>Licensee</p> <p>1. Hunterdon Cardiovascular Assoc.</p> <p>2. 1100 Wescott Drive, Suite 206 Flemington, NJ 08822</p>	<p>In accordance with the letters dated March 31, 2005 and May 24, 2005,</p> <p>3. License number 29-30542-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date December 31, 2009</p> <hr/> <p>5. Docket No. 030-35260 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.100</p> <p>B. Any byproduct material permitted by 10 CFR 35.200</p>	<p>Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As needed</p> <p>B. As needed</p>
<p>9. Authorized use:</p> <p>A. Any uptake, dilution and excretion procedure permitted by 10 CFR 35.100.</p> <p>B. Any imaging and localization procedure permitted by 10 CFR 35.200.</p>		

CONDITIONS

- 10. Licensed material may be used or stored only at the licensee's facilities located at 537 Rt. 22 East, 3rd floor, Suite 2, White House Station, New Jersey.
- 11. The Radiation Safety Officer for this license is Glen Tonnessen, M.D.
- 12. Licensed material is only authorized for use by, or under the supervision of:
 - A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.
 - B. The following individuals are authorized users for the materials and uses indicated:

NRC FORM 374A

U.S. NUCLEAR REGULATORY COMMISSION

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
29-30542-01

Docket or Reference Number
030-35260

Amendment No. 5

Authorized Users

Material and Use

Glen Tonnessen, M.D.

35.100 and 35.200

Andrey Espinoza, M.D.

35.100 and 35.200

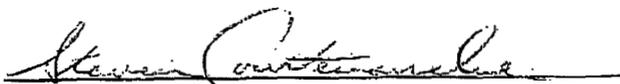
Aliya F. Browne, D.O.

35.100 and 35.200

13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license applies to only those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
 - A. Application dated October 25, 1999
 - B. Letter dated November 28, 1999
 - C. Letter dated January 26, 2001 (ML010400418)

For the U.S. Nuclear Regulatory Commission

Date June 7, 2005


Steven Courtemanche
Commercial and R&D Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406

732104

License No.: NJSL-70152/01/034

Amendment No.: 034

Page 1 of 6

State of New Jersey

Department of Environmental Protection

Bureau of Environmental Radiation

Radioactive Materials Section

PO Box 415, Trenton, NJ 08625-0415

Phone (609) 984-5462

New Jersey Radioactive Materials License

Pursuant to the New Jersey Radiation Code, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive or use the naturally occurring and/or accelerator produced material(s) (NARM) designated below; and to such radioactive materials for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations, and orders of the State Department of Environmental Protection, now or hereafter in effect, and to any conditions specified below.

1. License No. NJSL-70152/01/034	2. Expiration Date 09/30/2012
3. Licensee: DEBORAH HEART AND LUNG CENTER	4. Address: 200 Trenton Road Brown Mills NJ 08015-0000
Radiation Safety Officer: Rita M. Lauderman, CNMT	County: Burlington Telephone: (609) 735-2921
Administrator: John Ernst, Vice President	5. Reference No.: 3200

RADIOACTIVE MATERIALS DATA (A)

6. Material	7. Limit (mCi)	8. Form
A. Any NARM included under Group I, Section 4.7 of NJAC 7:28-4.	2.0000	Any radiopharmaceutical included under Group I, Section 4.7 of NJAC 7:28-4.
B. Any NARM included under Group II, Section 4.7 of NJAC 7:28-4.	500.0000	Any radiopharmaceutical included under Group II, Section 4.7 of NJAC 7:28-4.
C. CO-57	50.0000	Sealed Source
D. I-123	300.0000	mIBG
E. Rb-82	200.0000	Liquid Sodium Chloride Suspension
F. Sr-82	200.0000	Solid
G. Sr-85	1000.0000	Solid

RADIOACTIVE MATERIALS DATA (B)

9. Authorized Use

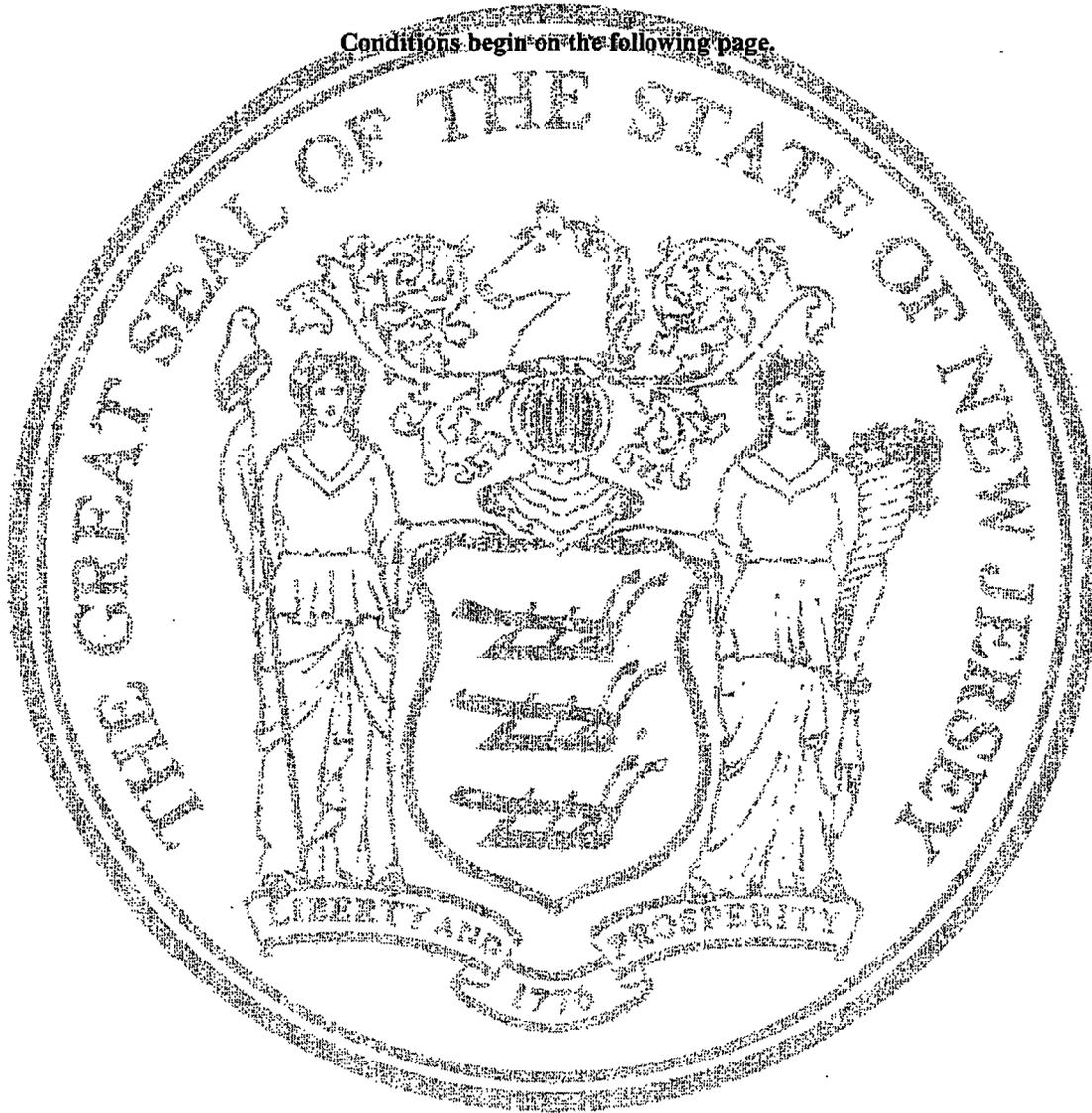
- A. Any diagnostic procedure under Group I of NJAC 7:28-4, Section 4.7
- B. Any diagnostic procedure under Group II of NJAC 7:28-4, Section 4.7
- C. Reference and/or calibration source.
- D. Investigational procedures related to phase 3 study evaluating the prognostic usefulness of I-123 mIBG Cardiac Scintigraphy.
- E. Clinical myocardial perfusion imaging.

License No.: NJSL-70152/01/034
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New Jersey Radioactive Materials License

- F. Parent of Rb-82 and will remain on column of the Cardiogen Rb-82 generator.
- G. Byproduct of the spallation process and is fixed on column of the Cardiogen Rb-82 generator.

Conditions begin on the following page.



License No.: NJSL-70152/01/034

Amendment No.: 034

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New Jersey Radioactive Materials License

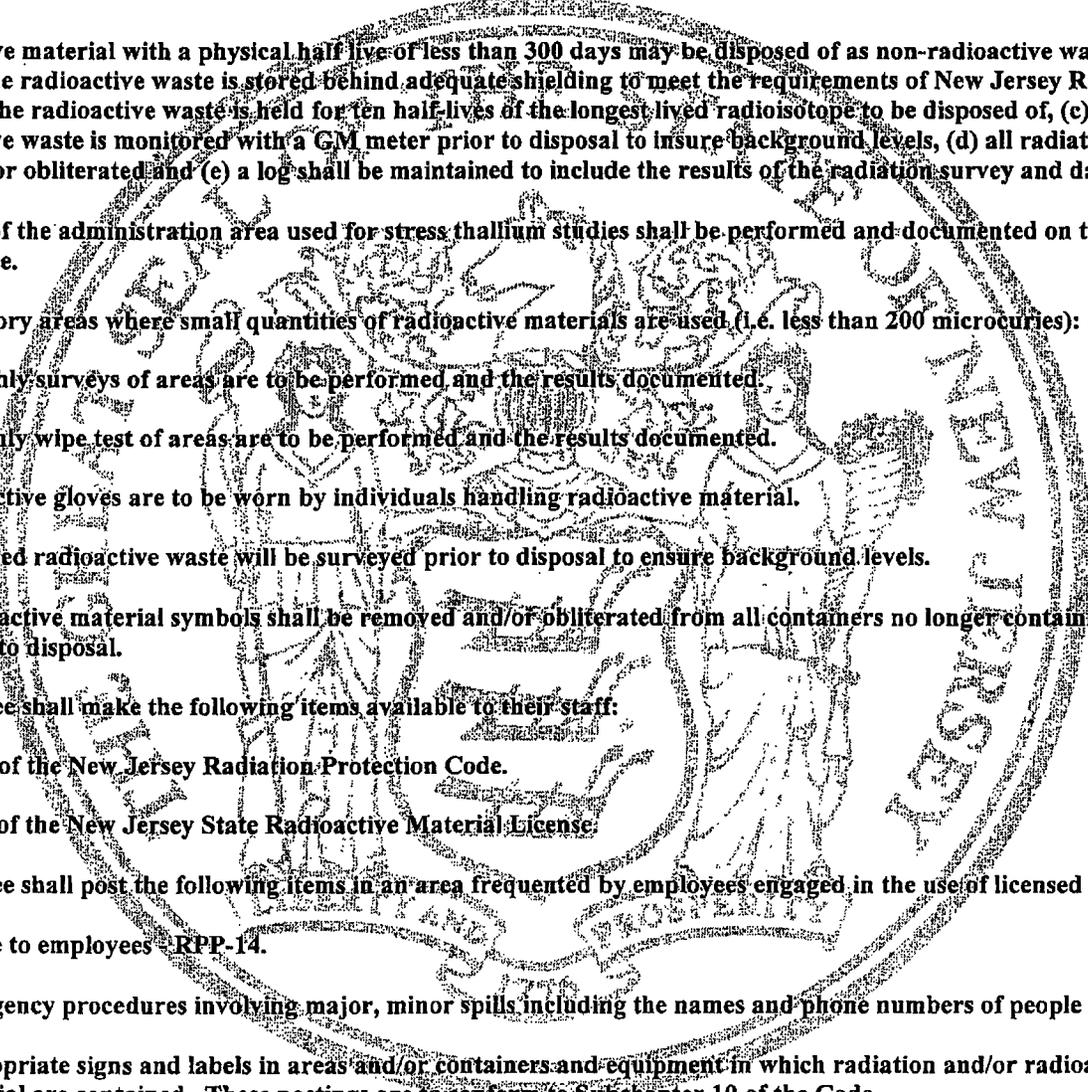
10. Radioactive material shall only be used at Deborah Heart and Lung Center, 200 Trenton Road, Brown Mills, New Jersey.
11. The authorized use of Group II radiopharmaceuticals in item 9B will include Positron Emission Tomography procedures.
12. A. Radioactive material listed in items 6A – 6G shall be used by or under the supervision of Harry J. Lessig, M.D.
B. Radioactive materials listed in item 6B that are used for cardiac imaging and function studies may be used by David Altimore, D.O., Augustine Agocha, M.D., Jennifer Mazzoni, D.O., Maha B. Mikhail Wassef, M.D., Saugato Sanyal, M.D., Sarkis Baghdasarian, M.D., Pirouz Parang, M.D., Katherine Chiu, M.D., Fatima Hakkak, D.O. and John P. McNamara, D.O.
13. Compliance with other U.S. Agencies having jurisdiction and regulations for radiopharmaceuticals must be maintained.
14. The licensee shall retain records of misadministrations in the use of the licensed radioactive materials. Misadministrations being defined as a radiopharmaceutical or radiation from a sealed source which is improperly used as follows:
 - A. Administration of the wrong radiopharmaceutical or sealed source.
 - B. Administration to the wrong patient.
 - C. Administration by a route other than that intended by the prescribing physician.
 - D. Administered diagnostic dose differing by more than 50 percent of the prescribed dose.
 - E. Administered therapeutic dose differing by more than 10 percent of the prescribed dose.Records of misadministrations are to include the following information: name of the referring physician, description of the event, the effect on the patient and the action taken to prevent recurrence.
15. Strontium 82 and Strontium 85 will not be used clinically. Breakthrough testing will be performed according to the manufacturer's instructions for the presence of both contaminants. If the limit of 0.02 uCi/mCi of Sr-82 or 0.2 uCi/mCi of Sr-85 is exceeded in the Rb-82 eluate, all clinical procedures will be rescheduled until further testing is performed and results fall below the measured guidelines. The Department shall be notified within 24 hours. A report shall be filed with the Department in writing within 30 days describing the circumstances and the corrective action taken.
16. The licensee shall not open sealed sources containing radioactive material.
17. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six months.
 - A. The test shall be capable of detecting the presence of 0.005 microcuries of removable radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surface of the device in which the sealed source is permanently mounted or stored.
 - B. If the test reveals the presence of 0.005 microcuries of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with the Department regulations. Within five days after obtaining results of the test, a report shall be filed with the Department describing the circumstances, the test results and the corrective action taken.
 - C. The sealed sources shall be tested for leakage and/or contamination by appropriately trained personnel.
18. Repair, initial leak tests and disposal of sealed sources containing radioactive material shall be performed only by the manufacturer or by other persons specifically licensed by New Jersey or the Federal Government to perform this service.

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Amendment No.: 034

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New Jersey Radioactive Materials License

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19. Radioactive material with a physical half life of less than 300 days may be disposed of as non-radioactive waste provided that (a) the radioactive waste is stored behind adequate shielding to meet the requirements of New Jersey Radiation Code 28-6, (b) the radioactive waste is held for ten half-lives of the longest lived radioisotope to be disposed of, (c) the radioactive waste is monitored with a GM meter prior to disposal to insure background levels, (d) all radiation labels are removed or obliterated and (e) a log shall be maintained to include the results of the radiation survey and date of disposal.
20. A survey of the administration area used for stress thallium studies shall be performed and documented on the day the test is done.
21. In laboratory areas where small quantities of radioactive materials are used (i.e. less than 200 microcuries):
- A. Monthly surveys of areas are to be performed and the results documented.
 - B. Monthly wipe test of areas are to be performed and the results documented.
 - C. Protective gloves are to be worn by individuals handling radioactive material.
 - D. Decayed radioactive waste will be surveyed prior to disposal to ensure background levels.
 - E. Radioactive material symbols shall be removed and/or obliterated from all containers no longer containing material prior to disposal.
22. The licensee shall make the following items available to their staff:
- A. Copy of the New Jersey Radiation Protection Code.
 - B. Copy of the New Jersey State Radioactive Material License.
23. The licensee shall post the following items in an area frequented by employees engaged in the use of licensed materials:
- A. Notice to employees RPP-14.
 - B. Emergency procedures involving major, minor spills including the names and phone numbers of people to contact.
 - C. Appropriate signs and labels in areas and/or containers and equipment in which radiation and/or radioactive material are contained. These postings are to conform to Subchapter 10 of the Code.
24. The following tests shall be performed as a minimum:
- A. Surveys of:
 - 1. All radioactive materials received.
 - 2. All radioactive waste decayed to background levels prior to release.
 - 3. Uncontrolled areas, where sealed and unsealed sources are routinely used to be surveyed on days they are used.
 - 4. Controlled area, where sealed and unsealed sources are used on days they are used.
 - 5. Personnel at the end of the day.

License No.: NJSL-70152/01/034

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New Jersey Radioactive Materials License

B. Wipe tests of:

1. Controlled and uncontrolled area where unsealed sources of radioactive material are routinely used, weekly.

25. The following records shall be maintained:

- A. Radioactive materials received including but not necessarily limited to date of receipt, radionuclide, activity, mass or volume of material, results of package survey, instrument used for surveys and surveyor's initials.
 - B. Radioactive materials administered to patients including but not necessarily limited to date of administration, radionuclide, calibrated activity administered, quantity, patient name, administrator's signature.
 - C. Radioactive material disposals including but not necessarily limited to:
 1. Disposals to Vendor: nuclide, activity, vendor name, quantity, date of disposal.
 2. Disposal by Decay: Results of survey of the waste, date of survey, date of waste disposal, instrument used, and surveyor's initials.
 3. Disposal to Sanitary Sewer: nuclide, activity, volume of dilution waste per day, date of disposal.
 - D. Survey instrument calibration performed annually and after instrument repair.
 - E. Sealed source leak tests at intervals not to exceed six months. Results are to be reported in microcuries.
 - F. Surveys performed in controlled and uncontrolled areas including but not necessarily limited to: test results in mR/hr, date performed, instrument used and surveyor's initials.
 - G. Wipe tests performed in controlled and uncontrolled areas including but not necessarily limited to: test results in dpm, date performed, instrument used and surveyor's initials.
 - H. Personnel dosimetry records including but not necessarily limited to: name, social security number, and prior employment exposure history.
 - I. Daily personnel monitoring results including but not necessarily limited to instrument used, date performed and initials.
26. While utilizing radioactive material, personnel shall use protective equipment and clothing including but not necessarily limited to: syringe shield, remote handling equipment, adequate shielding, laboratory coats, and disposable gloves.
27. Eating, drinking, smoking and applying cosmetics shall not be permitted in controlled areas.

License No.: NJSL-70152/01/034
Amendment No.: 034
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New Jersey Radioactive Materials License

28. Except as specifically provided by this license, the licensee may possess and use radioactive material described in this license in accordance with statements, representations and procedures contained in New Jersey Radioactive Materials License Renewal Certification dated July 16, 2007 signed by John R. Ernst.
- A. Letter dated May 17, 2007
 - B. Letter dated July 2, 2007
 - C. Letter dated July 16, 2007
 - D. Letter dated August 3, 2007

New Jersey Department of Environmental Protection Signature

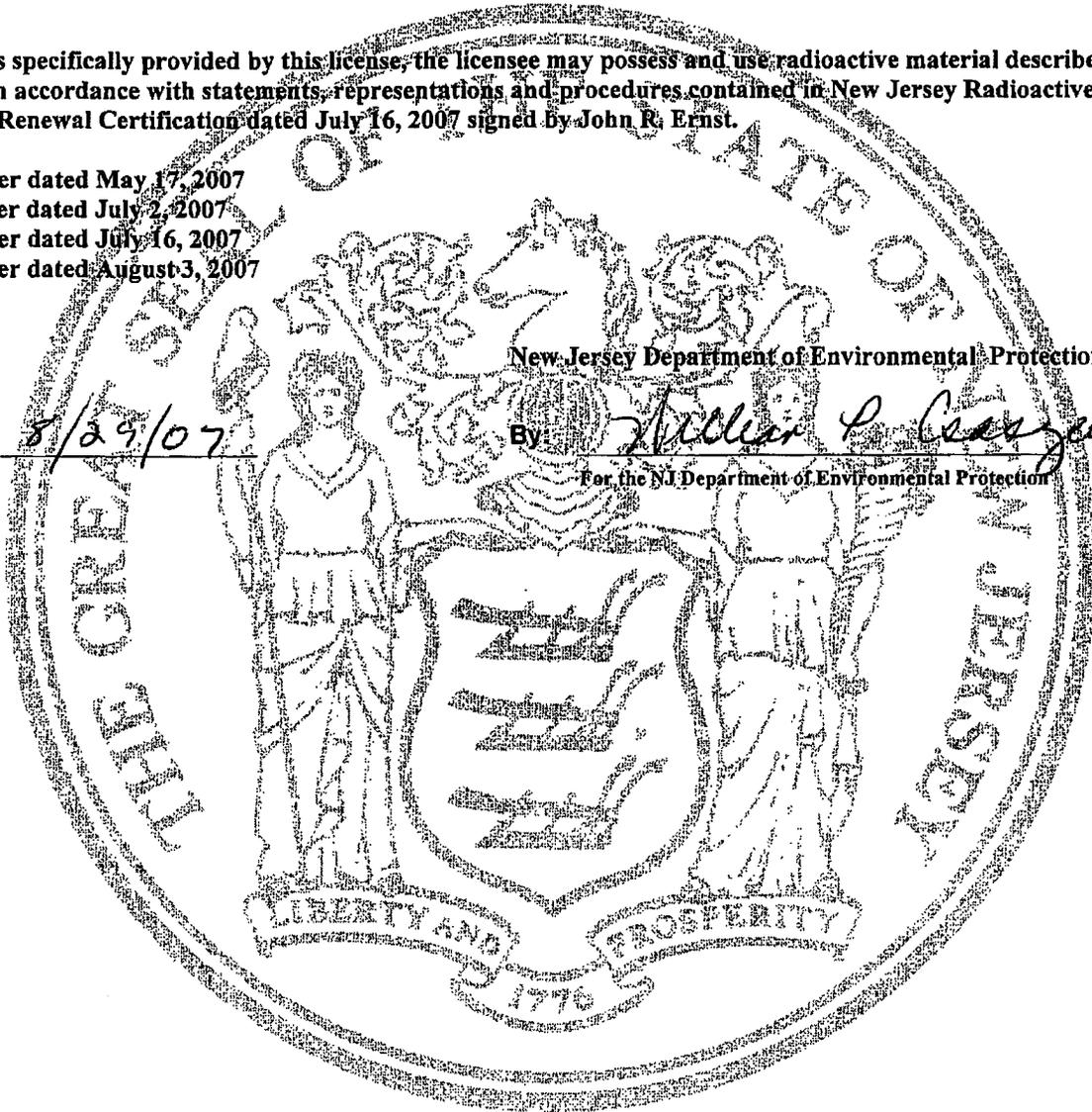
Date:

8/29/07

By

William P. Casper

for the NJ Department of Environmental Protection



**ITEM 8 – TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING
RESTRICTED AREAS**

TRAINING PROGRAM

**The facility will follow the Model Training Program as listed in
Appendix A of Regulatory Guide 10.8, Revision 2.**

ITEM 9 – FACILITIES

9.1 ANNOTATED DRAWING

Appended as 9.1.1 is an annotated drawing of the facilities and adjacent areas to where the byproduct material will be stored and used.

While under construction, the Siemens E-Cam will be temporarily located in Room 461. Construction is estimated at 4 months at which time the camera will be replaced with a Siemens SPECT/CT system which will be located in the southwest corner of the imaging room.

9.2 EQUIPMENT

Survey Meters

The facility will have one Ludlum 14-C or equivalent survey meter available at all times.

Radiation monitoring instruments will be calibrated by a person qualified to perform survey meter calibrations.

We reserve the right to upgrade our survey instruments as necessary as long as they are adequate to measure the type and level of radiation for which they are used.

Dose Calibrator

Each facility will have a Capintec 15W or equivalent dose calibrator appropriate for the measurement of Tc-99m and Tl-201.

Equipment used to measure dosages will be calibrated in accordance with nationally recognized standards or the manufacturer's instructions.

Gamma Camera

The facility will be equipped with a Siemens Gamma Camera, Model TBD or equivalent gamma camera equipment.

Other Equipment

Each facility will also be equipped with:

1 – Well counter

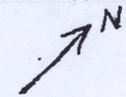
1 – L-shield

1 – Set of lead lined pigs and other radiation safety devices

404 HAINESPORT - ADVANCED HEART LUNG AND VASCULAR CARE

PARKING

PARKING



PLAN

002

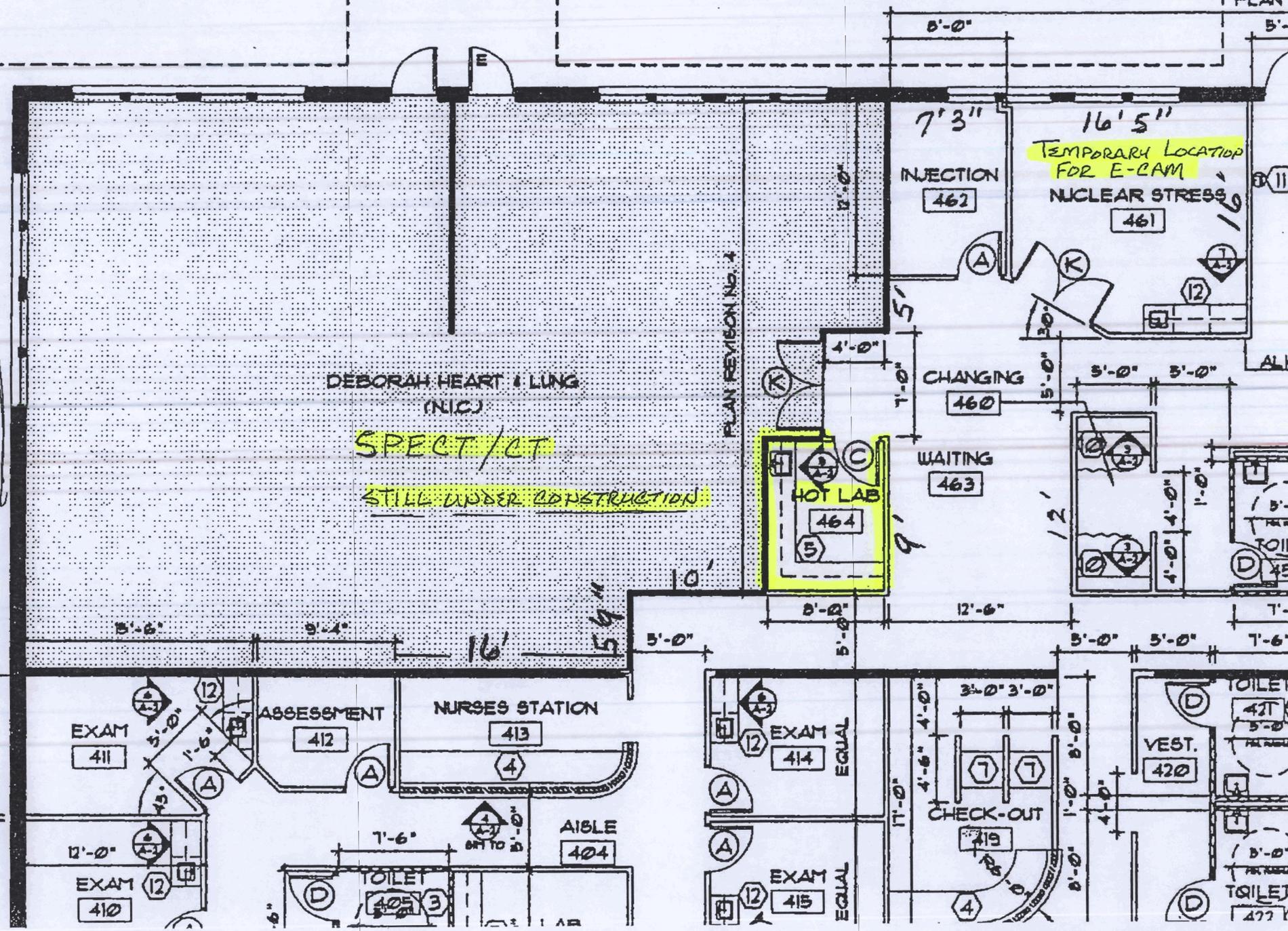
DEBORAH HLC PURCH

09/26/2007 16:48 FAX 6098931209

DRIVEWAY

EQUAL

EQUAL



DEBORAH HEART & LUNG
(NIC)

SPECT/CT

STILL UNDER CONSTRUCTION

HOT LAB
464

7'3"
INJECTION
462

16'5"
TEMPORARY LOCATION
FOR E-CAM
NUCLEAR STRESS
461

CHANGING
460

WAITING
463

EXAM
411

ASSESSMENT
412

NURSES STATION
413

EXAM
414

EXAM
415

CHECK-OUT
419

VEST.
420

TOILET
421

TOILET
422

TOILET
423

AISLE
404

TOILET
405

PLAN REVISION NO. 2

ALK

TOIL

TOIL

TOIL

Item 10 - RADIATION SAFETY PROGRAM

Occupational Dose

The facility will use dosimetry services provided by an NVLAP approved facility.

Either we will perform a prospective evaluation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20 or we will provide dosimetry that meets the requirements listed under "Criteria" in NUREG 1556, Volume 9, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Medical Use Licenses," dated October 2002.

Area Surveys

We have developed and will implement and maintain written procedures for area surveys in accordance with 10 CFR 20.1101 that meet the requirements of 10 CFR 20.1501 and 10 CFR 35.70.

Safe Use of Unsealed License Material

We have developed and will implement and maintain procedures for safe use of unsealed byproduct material that meet the requirements of 10 CFR 20.1101 and 10 CFR 20.13001.

Spill Procedures

We have developed and will implement and maintain written procedures for safe response to spills of licensed material in accordance with 10 CFR 20.1101.

ITEM 11 – WASTE MANAGEMENT

We have developed and will implement and maintain written waste disposal procedures for licensed material in accordance with 10 CFR 20.1101, that also meet the requirements of the applicable section of Subpart K to 10 CFR Part 20 and 10 CFR 35.92.

This is to acknowledge the receipt of your letter/application dated

11/1/2007, and to inform you that the initial processing which includes an administrative review has been performed.

~~There~~ forwarded. 29-31231-01 There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 141291.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

: Program Code: 02201
: Status Code: 0
: Fee Category: 7C
: Exp. Date: 20170430
: Fee Comments: _____
: Decom Fin Assur Reqd: N
:.....

LICENSE FEE TRANSMITTAL

A. REGION **I**

1. APPLICATION ATTACHED

Applicant/Licensee: ADVANCED HEART, LUNG & VASCULAR CARE
Received Date: 20071102
Docket No: 3037437
Control No.: 141291
License No.: 29-31231-01
Action Type: Amendment

2. FEE ATTACHED

Amount: \$2300.00
Check No.: 0667

3. COMMENTS

Application submitted as a new license with fee. However, licensee has an active license so it will be amended instead. Check to be returned to licensee.

Signed M.A. Perkins
Date 11/7/2007

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /___/)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:

Amendment _____
Renewal _____
License _____

3. OTHER _____

Signed _____
Date _____